



PCT



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	(ICI Allicie 30	and reals 70)	
Applicant's or agent's file reference B 1207	FOR FURTHER ACTION	ON See Notific Preliminary I	ation of Transmittal of International Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (a	day/month/year)	Priority date (day/month/year)
PCT/EP2003/006073	10 June 2003 (10).06.2003)	02 July 2002 (02.07.2002)
International Patent Classification (IPC) or n B60S 1/02, G01N 25/68	ational classification and IF	PC	
Applicant	BARTEC G	MBH	
and is transmitted to the applicant a	ccording to Article 36.		ational Preliminary Examining Authority
2. This REPORT consists of a total of This report is also accompan amended and are the basis for 70.16 and Section 607 of the These annexes consist of a total of	nied by ANNEXES, i.e., she or this report and/or sheets on the Administrative Instruction	eets of the descripti	on, claims and/or drawings which have been tions made before this Authority (see Rule
This report contains indications relations.			
Basis of the report			·
II Priority			
	of opinion with regard to r	novelty, inventive s	tep and industrial applicability
IV Lack of unity of in	vention		
Desconed statemen	nt under Article 35(2) with a state of the s	regard to novelty, is tement	nventive step or industrial applicability;
VI Certain documents	s cited		
VII Certain defects in	the international application	n	
VIII Certain observation	ons on the international appl	lication	
Date of submission of the demand		Date of completion	of this report
02 February 2004 (02.	02.2004)	11	January 2005 (11.01.2005)
Name and mailing address of the IPEA/E	P	Authorized officer	
Facsimile No.		Telephone No.	

Form PCT/IPEA/409 (cover sheet) (July 1998)



Internatio	plication No.
PC'T	EP2003/0060

I. Basis	of the rep	oort		
1. With	regard to	the elements of the international application:	t	
	the inter	national application as originally filed		
$\overline{\boxtimes}$	the desc	ription:		
	pages		2, 8-13	, as originally filed
	pages			, filed with the demand
	pages	1, 3, 3a, 4, 4a, 5-7	, filed with the letter of	02 June 2004 (02.06.2004)
\square	the clair	ns:		
لاسكا	pages			, as originally filed
	pages		, as amended (together	with any statement under Article 19
	pages			, filed with the demand
	pages		, filed with the letter of	02 June 2004 (02.06.2004)
\boxtimes	the dray	vings:		
لاعا	pages		1/1	, as originally filed
	pages			, filed with the demand
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	the seame	nce listing part of the description:		
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in i	This rebeyond this report 170.17).	the description, pages the claims, Nos the drawings, sheets/fig eport has been established as if (some of) the disclosure as filed, as indicated in the Su established to the recent as "originally filed" and are not annext ment sheet containing such amendments must the	amendments had not been made, s pplemental Box (Rule 70.2(c)).** viving Office in response to an invited to this report since they do	tation under Article 14 are referred to not contain amendments (Rule 70.16
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INTERNATIONAL PRELIMITY EXAMINATION REPORT

International a	pplication No.
PCT/	63/06073

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	1-9	YES
		Claims	10,11	NO
	Inventive step (IS)	Claims	1-9	YES
	Claims	10,11	NO	
	Industrial applicability (IA)	Claims	1-11	YES
		Claims		NO

Citations and explanations

Reference is made to the following documents:

D1: WO 02/04239 A (VOLVO TEKNISK UTVECKLING AB; SVENSSON MAGNUS (SE); MAARDBERG BJOER) 17 January 2002 (2002-01-17)

D2: US-A-4 693 172 (HARVEY CHARLES P) 15 September 1987 (1987-09-15)

D3: EP-A-0 866 330 (NIPPON SHEET GLASS CO LTD) 23 September 1998 (1998-09-23)

D1, which is considered to be the closest prior art, 1. discloses (cf. page 4, lines 14 to 32; and page 7, lines 5 to 14) a sensor unit from which the subject matter of claim 1 differs in that the dew point sensor is a sensor where the measurement principle used is the change in luminous reflectance when the gas condenses on a measuring surface and in that the temperature sensor, the dew point sensor and the control unit are accommodated in a common housing.

> The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

The problem addressed by the present invention can 1.1

therefore be considered that of ensuring that the measuring signal of the dew point sensor is largely unaffected by any contamination on the measuring surface and that the sensor unit is accommodated in a common housing. Although dew point sensors of this kind are known (see D3), the prior art does not disclose the use of a general housing for sensor units of this kind. Since the solution cannot be considered obvious, the subject matter of claim 1 of the present application involves an inventive step (PCT Article 33(3)).

- The same reasoning applies to independent claim 6 1.2 accordingly.
- 2. Claims 2 to 5 and 7 to 9 are dependent on claims 1 and 6 and therefore likewise satisfy the PCT novelty and inventive step requirements.
- D1 is considered to be the prior art closest to the 3. subject matter of claim 10. Said document discloses (the references in parentheses relate to D1):

A method for avoiding condensation of a gas, especially water vapour, having the following steps:

- measurement of an object temperature (page 4, lines 14 to 16)
- determination of a dew point of the gas in an atmosphere surrounding the object (page 4, lines 25 to 32)
- increase in the object temperature and/or reduction in the dew point to prevent the object temperature falling to or below the dew point (page 4, lines 14 to 23)

- noncontact measurement of the object temperature
 (page 7, lines 5 to 14).
- 3.1 The subject matter of claim 10 therefore differs from the known method in that the dew point sensor is a sensor where the measurement principle used is the change in luminous reflectance when the gas condenses on a measuring surface.
- 3.2 The problem addressed by the present invention can therefore be considered that of ensuring that the measuring signal of the dew point sensor is largely unaffected by any contamination on the measuring surface.
- 3.3 The solution proposed in claim 10 of the present application cannot be regarded as inventive (PCT Article 33(3)) for the following reasons:
- 3.4 D3 discloses a dew point sensor where the change in luminous reflectance is used as measuring signal. If a person skilled in the art wished to achieve the same aim in a device as per document D1, he could easily apply these features to like effect to the subject matter of D1. In this way he would arrive at a sensor unit as per claim 10 without thereby being inventive.
- 4. Dependent claim 11 does not contain any features which in combination with the features of any claim to which it refers back satisfy the PCT novelty and inventive step requirements (see D1 to D3 and the appropriate passages cited in the search report).